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(54) Title: ATTACHMENT FOR A TELESCOPIC MATERIAL HANDLER FOR MANIPULATING A LOAD WITH FIVE DEGREES OF FREEDOM

(57) Abstract: An attachment for a telescopic material handler supplies five degrees of freedom (DOF) for the task of picking, manipulating and aiding in the installation of vertical and horizontal wall cladding and other construction materials. The cladding can be of a size up to 1.3 x 8.0 m and a mass of 350 Kg. The control and positioning of the load is accomplished through standard operation of the telehandler in conjunction with wireless control of the five DOF of the device. Hydraulic power for the device functions may be supplied through the telehandler auxiliary circuit. The auxiliary flow also powers a hydraulic generator, which supplies the device with electrical power for both system logic and control and vacuum generation. The cladding panels are handled by the vacuum system.



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